

ABSTRACT OF THE DISCLOSURE

Classifier for IEEE (Institute of Electrical & Electronics Engineers) 802.11g receiver. A communication device includes a classifier and a number of PHY (physical layer) receivers communicatively coupled thereto that enable the communication device
5 to process various received signal types. Each of the PHY receivers is operable to perform pre-processing of a received frame (or packet) of data and to calculate a confidence level indicating whether the received frame is intended for that particular PHY receiver; this pre-processing does not involve processing (e.g., demodulation and/or decoding) of the received frame. Those PHY receivers having sufficiently high
10 confidence levels assert claims to the classifier for the received frame. The classifier is operable to arbitrate between competing claims by 2 or more PHY receivers and to ensure that the received frame is provided to the PHY receiver for which it is intended.